

# ALMANAC CLXXIV OPPOSITIONS BETWEEN MARS AND PLUTO IN CE

The almanac CLXXIV contains a list of oppositions  
between Mars and Pluto  
from the 1st millennium CE to the 3rd millennium CE.

## 1ST MILLENNIUM CE

**This is a list of oppositions between Mars and Pluto in the 1st millennium CE.**

DATE	TIME	ARC	MARS	PLUTO
JUN 02,	2   06:35 AM	180	27PI25	27VI25R
MAY 15,	4   04:57 AM	180	02AR51	02LI51R
MAY 01,	6   05:12 PM	180	08AR27	08LI27R
APR 18,	8   03:07 PM	180	14AR08	14LI08R
APR 07,	10   02:54 AM	180	19AR50	19LI50R
MAR 25,	12   02:51 PM	180	25AR29	25LI29R
MAR 13,	14   09:00 AM	180	01TA00	01SC00R
FEB 26,	16   09:32 PM	180	06TA20	06SC20R
FEB 03,	18   10:50 PM	180	11TA20	11SC20
JUL 20,	19   05:49 AM	180	11TA03	11SC03R
JUL 02,	21   00:52 AM	180	16TA03	16SC03R
JUN 18,	23   01:48 PM	180	21TA04	21SC04R
JUN 05,	25   12:34 PM	180	26TA03	26SC03R
MAY 24,	27   11:38 PM	180	00GE55	00SA55R
MAY 12,	29   09:38 AM	180	05GE40	05SA40R
APR 30,	31   04:26 AM	180	10GE15	10SA15R
APR 15,	33   08:53 AM	180	14GE37	14SA37R
MAR 28,	35   08:57 AM	180	18GE45	18SA45R
SEP 02,	36   02:47 AM	180	18GE08	18SA08
AUG 13,	38   07:14 AM	180	22GE06	22SA06R
JUL 28,	40   01:18 PM	180	26GE06	26SA06R
JUL 15,	42   11:49 AM	180	00CA03	00CP03R
JUL 02,	44   01:22 AM	180	03CA56	03CP56R
JUN 19,	46   03:21 PM	180	07CA43	07CP43R
JUN 05,	48   05:26 PM	180	11CA23	11CP23R
MAY 22,	50   01:01 PM	180	14CA56	14CP56R

MAY 04, 52	06:28 AM	180	18CA18	18CP18R
OCT 09, 53	01:23 AM	180	17CA33	17CP33
JAN 24, 54	02:26 PM	180	19CA52R	19CP52
APR 04, 54	10:56 AM	180	21CA21	21CP21
SEP 15, 55	04:32 PM	180	20CA41	20CP41R
AUG 29, 57	11:09 AM	180	23CA55	23CP55R
AUG 15, 59	08:20 AM	180	27CA09	27CP09R
AUG 01, 61	00:27 AM	180	00LE21	00AQ21R
JUL 18, 63	07:04 PM	180	03LE30	03AQ30R
JUL 04, 65	03:10 AM	180	06LE35	06AQ35R
JUN 19, 67	06:50 AM	180	09LE34	09AQ34R
MAY 31, 69	02:17 PM	180	12LE24	12AQ24R
NOV 06, 70	04:56 PM	180	11LE33	11AQ33
FEB 07, 71	07:44 PM	180	13LE22R	13AQ22
MAY 03, 71	06:05 AM	180	15LE00	15AQ00
OCT 10, 72	12:26 PM	180	14LE11	14AQ11R
SEP 23, 74	05:10 AM	180	16LE56	16AQ56R
SEP 07, 76	07:28 AM	180	19LE44	19AQ44R
AUG 24, 78	06:13 AM	180	22LE31	22AQ31R
AUG 09, 80	07:38 AM	180	25LE15	25AQ15R
JUL 25, 82	09:24 PM	180	27LE56	27AQ56R
JUL 09, 84	05:44 AM	180	00VI33	00PI33R
JUN 20, 86	02:30 PM	180	03VI03	03PI03R
NOV 27, 87	04:06 PM	180	02VI08	02PI08
MAR 04, 88	01:04 AM	180	03VI55R	03PI55
MAY 19, 88	11:52 AM	180	05VI18	05PI18
OCT 30, 89	04:25 PM	180	04VI28	04PI28R
OCT 12, 91	06:51 PM	180	06VI56	06PI56R
SEP 26, 93	06:51 AM	180	09VI25	09PI25R
SEP 11, 95	02:41 PM	180	11VI55	11PI55R

AUG 27, 97	00:29 AM	180	14VI23	14PI23R
AUG 11, 99	09:35 PM	180	16VI49	16PI49R
JUL 25, 101	09:09 AM	180	19VI12	19PI12R
JUL 05, 103	07:23 AM	180	21VI27	21PI27R
DEC 11, 104	12:23 PM	180	20VI29	20PI29
APR 13, 105	09:45 PM	180	22VI41R	22PI41
MAY 23, 105	03:53 AM	180	23VI21	23PI21
NOV 15, 106	01:24 PM	180	22VI38	22PI38R
OCT 27, 108	11:32 AM	180	24VI54	24PI54R
OCT 11, 110	03:05 PM	180	27VI13	27PI13R
SEP 25, 112	12:12 PM	180	29VI34	29PI34R
SEP 10, 114	08:59 AM	180	01LI53	01AR53R
AUG 24, 116	01:36 PM	180	04LI10	04AR10R
AUG 07, 118	00:30 AM	180	06LI23	06AR23R
JUL 14, 120	02:16 PM	180	08LI28	08AR28R
DEC 22, 121	01:54 PM	180	07LI27	07AR27R
NOV 28, 123	12:14 PM	180	09LI31	09AR31R
NOV 09, 125	01:59 PM	180	11LI42	11AR42R
OCT 24, 127	12:57 PM	180	13LI57	13AR57R
OCT 08, 129	00:49 AM	180	16LI12	16AR12R
SEP 22, 131	08:25 AM	180	18LI26	18AR26R
SEP 04, 133	06:51 PM	180	20LI37	20AR37R
AUG 16, 135	11:30 PM	180	22LI45	22AR45R
JUL 20, 137	07:14 AM	180	24LI43	24AR43
DEC 31, 138	10:27 PM	180	23LI43	23AR43R
DEC 08, 140	05:19 PM	180	25LI47	25AR47R
NOV 21, 142	01:21 AM	180	27LI57	27AR57R
NOV 03, 144	08:58 PM	180	00SC10	00TA10R
OCT 19, 146	01:34 AM	180	02SC25	02TA25R
OCT 01, 148	09:36 PM	180	04SC39	04TA39R

SEP 14, 150	01:11 PM	180	06SC51	06TA51R
AUG 23, 152	11:49 PM	180	08SC57	08TA57R
FEB 16, 154	03:37 AM	180	08SC05	08TA05
MAY 04, 154	09:05 AM	180	09SC28R	09TA28
JUL 16, 154	09:52 PM	180	10SC47	10TA47
JAN 09, 156	07:14 PM	180	09SC55	09TA55R
DEC 19, 157	03:41 AM	180	12SC03	12TA03R
DEC 01, 159	08:02 PM	180	14SC17	14TA17R
NOV 14, 161	02:52 PM	180	16SC35	16TA35R
OCT 29, 163	02:04 PM	180	18SC54	18TA54R
OCT 11, 165	11:10 PM	180	21SC13	21TA13R
SEP 23, 167	03:37 PM	180	23SC29	23TA29R
AUG 30, 169	03:41 AM	180	25SC39	25TA39R
FEB 16, 171	01:17 PM	180	24SC39	24TA39
JAN 18, 173	07:29 AM	180	26SC45	26TA45R
DEC 29, 174	11:34 PM	180	29SC05	29TA05R
DEC 12, 176	01:29 AM	180	01SA30	01GE30R
NOV 25, 178	09:18 PM	180	03SA59	03GE59R
NOV 08, 180	03:40 PM	180	06SA29	06GE29R
OCT 22, 182	02:08 PM	180	09SA00	09GE00R
OCT 02, 184	01:59 AM	180	11SA27	11GE27R
SEP 02, 186	07:26 PM	180	13SA46	13GE46
FEB 23, 188	01:41 PM	180	12SA49	12GE49R
JAN 29, 190	06:33 PM	180	15SA16	15GE16R
JAN 11, 192	12:28 PM	180	17SA54	17GE54R
DEC 25, 193	00:58 AM	180	20SA39	20GE39R
DEC 09, 195	01:51 AM	180	23SA29	23GE29R
NOV 21, 197	08:29 PM	180	26SA22	26GE22R
NOV 04, 199	11:01 AM	180	29SA16	29GE16R
OCT 13, 201	09:13 AM	180	02CP07	02CA07R

APR 19, 203	04:45 AM	180	01CP27	01CA27
JUL 07, 203	07:44 AM	180	03CP18R	03CA18
AUG 25, 203	08:26 PM	180	04CP27	04CA27
MAR 06, 205	07:29 PM	180	03CP56	03CA56R
FEB 13, 207	10:57 PM	180	06CP56	06CA56R
JAN 26, 209	08:45 PM	180	10CP09	10CA09R
JAN 11, 211	02:39 AM	180	13CP31	13CA31R
DEC 25, 212	05:18 PM	180	17CP00	17CA00R
DEC 09, 214	09:47 PM	180	20CP33	20CA33R
NOV 21, 216	10:55 AM	180	24CP08	24CA08R
OCT 29, 218	09:55 AM	180	27CP39	27CA39
APR 24, 220	01:36 PM	180	26CP57	26CA57
MAR 26, 222	12:39 PM	180	00AQ27	00LE27R
MAR 07, 224	03:48 AM	180	04AQ23	04LE23R
FEB 19, 226	02:00 PM	180	08AQ33	08LE33R
FEB 05, 228	01:37 AM	180	12AQ54	12LE54R
JAN 20, 230	08:13 PM	180	17AQ24	17LE24R
JAN 06, 232	04:05 AM	180	22AQ00	22LE00R
DEC 19, 233	02:13 PM	180	26AQ39	26LE39R
NOV 25, 235	09:26 PM	180	01PI13	01VI13
MAY 19, 237	11:56 PM	180	00PI49	00VI49
APR 26, 239	07:51 PM	180	05PI33	05VI33R
APR 09, 241	09:06 PM	180	10PI40	10VI40R
MAR 27, 243	05:39 AM	180	15PI59	15VI59R
MAR 13, 245	01:54 PM	180	21PI28	21VI28R
MAR 01, 247	05:05 AM	180	27PI02	27VI02R
FEB 15, 249	11:29 AM	180	02AR39	02LI39R
FEB 01, 251	01:43 AM	180	08AR12	08LI12R
JAN 10, 253	10:31 PM	180	13AR33	13LI33
JUN 30, 254	02:01 PM	180	13AR22	13LI22

JUN 08, 256	10:00 PM	180	18AR42	18LI42R
MAY 25, 258	11:20 AM	180	24AR13	24LI13R
MAY 12, 260	01:58 AM	180	29AR47	29LI47R
APR 30, 262	01:35 PM	180	05TA21	05SC21R
APR 18, 264	06:27 AM	180	10TA49	10SC49R
APR 06, 266	01:43 PM	180	16TA09	16SC09R
MAR 23, 268	02:11 PM	180	21TA18	21SC18R
MAR 07, 270	03:11 AM	180	26TA11	26SC11R
AUG 18, 271	09:57 PM	180	25TA49	25SC49
DEC 11, 271	07:07 PM	180	29TA05R	29SC05
FEB 01, 272	11:19 AM	180	00GE30	00SA30
JUL 26, 273	01:27 AM	180	00GE24	00SA24R
JUL 10, 275	11:43 PM	180	05GE05	05SA05R
JUN 27, 277	02:56 AM	180	09GE45	09SA45R
JUN 15, 279	02:57 AM	180	14GE19	14SA19R
JUN 02, 281	08:04 AM	180	18GE46	18SA46R
MAY 21, 283	05:20 AM	180	23GE04	23SA04R
MAY 07, 285	02:50 AM	180	27GE12	27SA12R
APR 21, 287	03:36 PM	180	01CA10	01CP10R
OCT 04, 288	04:47 AM	180	00CA41	00CP41
DEC 06, 288	11:48 PM	180	02CA09R	02CP09
MAR 28, 289	05:18 PM	180	04CA50	04CP50
SEP 04, 290	04:54 AM	180	04CA11	04CP11R
AUG 17, 292	07:02 AM	180	07CA53	07CP53R
AUG 03, 294	05:39 AM	180	11CA34	11CP34R
JUL 20, 296	06:03 AM	180	15CA13	15CP13R
JUL 07, 298	02:10 PM	180	18CA48	18CP48R
JUN 23, 300	05:13 PM	180	22CA17	22CP17R
JUN 09, 302	11:57 PM	180	25CA40	25CP40R
MAY 24, 304	07:31 AM	180	28CA54	28CP54R

NOV 21, 305	06:41 PM	180	28CA33	28CP33
DEC 04, 305	04:21 AM	180	28CA47R	28CP47
MAY 03, 306	01:47 AM	180	01LE57	01AQ57R
OCT 05, 307	05:35 PM	180	01LE05	01AQ05R
SEP 16, 309	00:30 AM	180	04LE07	04AQ07R
AUG 31, 311	09:59 PM	180	07LE11	07AQ11R
AUG 17, 313	02:09 AM	180	10LE15	10AQ15R
AUG 03, 315	03:42 PM	180	13LE16	13AQ16R
JUL 20, 317	00:19 AM	180	16LE14	16AQ14R
JUL 05, 319	01:03 PM	180	19LE07	19AQ07R
JUN 18, 321	04:09 AM	180	21LE52	21AQ52R
MAY 27, 323	12:25 PM	180	24LE29	24AQ29R
OCT 29, 324	03:22 AM	180	23LE33	23AQ33R
OCT 09, 326	06:28 AM	180	26LE10	26AQ10R
SEP 22, 328	09:12 AM	180	28LE50	28AQ50R
SEP 07, 330	08:19 PM	180	01VI30	01PI30R
AUG 23, 332	04:46 PM	180	04VI09	04PI09R
AUG 09, 334	08:20 AM	180	06VI46	06PI46R
JUL 24, 336	03:16 AM	180	09VI19	09PI19R
JUL 06, 338	09:07 PM	180	11VI47	11PI47R
JUN 12, 340	12:26 PM	180	14VI06	14PI06
NOV 16, 341	09:55 PM	180	13VI07	13PI07R
OCT 27, 343	02:44 PM	180	15VI28	15PI28R
OCT 10, 345	05:36 AM	180	17VI52	17PI52R
SEP 25, 347	04:28 AM	180	20VI18	20PI18R
SEP 09, 349	11:37 AM	180	22VI45	22PI45R
AUG 25, 351	12:04 PM	180	25VI09	25PI09R
AUG 08, 353	12:29 PM	180	27VI30	27PI30R
JUL 21, 355	01:52 AM	180	29VI45	29PI45R
JAN 10, 357	00:49 AM	180	28VI58	28PI58



FEB 24, 357	09:39 PM	180	29VI45R	29PI45
JUN 23, 357	00:48 AM	180	01LI49	01AR49
DEC 01, 358	11:41 AM	180	00LI51	00AR51R
NOV 10, 360	10:46 AM	180	03LI02	03AR02R
OCT 24, 362	08:41 PM	180	05LI18	05AR18R
OCT 08, 364	10:49 AM	180	07LI36	07AR36R
SEP 23, 366	06:06 AM	180	09LI54	09AR54R
SEP 06, 368	02:47 PM	180	12LI09	12AR09R
AUG 20, 370	05:51 PM	180	14LI22	14AR22R
JUL 30, 372	04:26 PM	180	16LI29	16AR29R
JAN 13, 374	04:55 PM	180	15LI33	15AR33
APR 17, 374	04:29 AM	180	17LI11R	17AR11
JUN 24, 374	09:12 AM	180	18LI20	18AR20
DEC 13, 375	09:32 AM	180	17LI29	17AR29R
NOV 22, 377	10:45 PM	180	19LI37	19AR37R
NOV 06, 379	06:51 AM	180	21LI49	21AR49R
OCT 20, 381	01:34 PM	180	24LI02	24AR02R
OCT 04, 383	10:26 PM	180	26LI16	26AR16R
SEP 17, 385	04:41 PM	180	28LI28	28AR28R
AUG 30, 387	08:05 PM	180	00SC38	00TA38R
AUG 07, 389	07:09 AM	180	02SC41	02TA41R
JAN 19, 391	08:25 AM	180	01SC40	01TA40
DEC 22, 392	07:51 PM	180	03SC39	03TA39R
DEC 04, 394	00:42 AM	180	05SC48	05TA48R
NOV 16, 396	10:09 AM	180	08SC00	08TA00R
OCT 31, 398	12:02 PM	180	10SC15	10TA15R
OCT 14, 400	11:59 AM	180	12SC30	12TA30R
SEP 27, 402	03:18 PM	180	14SC44	14TA44R
SEP 07, 404	11:42 AM	180	16SC54	16TA54R
AUG 11, 406	03:22 AM	180	18SC54	18TA54

JAN 26, 408	05:18 AM	180	17SC54	17TA54R
JAN 01, 410	09:29 PM	180	20SC01	20TA01R
DEC 14, 411	06:42 PM	180	22SC16	22TA16R
NOV 27, 413	07:26 AM	180	24SC35	24TA35R
NOV 11, 415	05:54 AM	180	26SC56	26TA56R
OCT 24, 417	08:50 PM	180	29SC18	29TA18R
OCT 07, 419	07:22 AM	180	01SA38	01GE38R
SEP 15, 421	08:36 AM	180	03SA54	03GE54R
MAR 16, 423	12:57 PM	180	03SA06	03GE06
MAY 28, 423	03:44 PM	180	04SA31R	04GE31
AUG 04, 423	09:22 PM	180	05SA50	05GE50
FEB 02, 425	09:35 PM	180	05SA03	05GE03R
JAN 12, 427	07:18 PM	180	07SA24	07GE24R
DEC 25, 428	06:59 AM	180	09SA51	09GE51R
DEC 08, 430	11:41 PM	180	12SA23	12GE23R
NOV 21, 432	09:38 PM	180	14SA59	14GE59R
NOV 05, 434	06:27 AM	180	17SA36	17GE36R
OCT 16, 436	11:11 PM	180	20SA11	20GE11R
SEP 23, 438	02:48 AM	180	22SA41	22GE41R
MAR 15, 440	06:38 AM	180	21SA45	21GE45
FEB 14, 442	07:25 AM	180	24SA12	24GE12R
JAN 25, 444	10:57 PM	180	26SA55	26GE55R
JAN 08, 446	03:40 AM	180	29SA47	29GE47R
DEC 23, 447	05:32 AM	180	02CP46	02CA46R
DEC 06, 449	08:41 AM	180	05CP49	05CA49R
NOV 19, 451	04:32 PM	180	08CP54	08CA54R
OCT 30, 453	01:19 PM	180	11CP57	11CA57R
OCT 01, 455	07:44 AM	180	14CP50	14CA50
MAR 26, 457	06:19 AM	180	14CP01	14CA01
MAR 02, 459	12:34 PM	180	17CP08	17CA08R

FEB 11, 461	07:24 PM	180	20CP32	20CA32R
JAN 26, 463	11:54 PM	180	24CP07	24CA07R
JAN 10, 465	07:44 PM	180	27CP50	27CA50R
DEC 26, 466	01:32 PM	180	01AQ39	01LE39R
DEC 09, 468	07:37 AM	180	05AQ32	05LE32R
NOV 19, 470	05:08 PM	180	09AQ25	09LE25R
JUN 06, 472	10:39 PM	180	09AQ20	09LE20
JUL 17, 472	00:55 AM	180	10AQ27R	10LE27
OCT 10, 472	07:16 AM	180	12AQ54	12LE54
APR 16, 474	06:15 AM	180	12AQ34	12LE34R
MAR 26, 476	03:25 AM	180	16AQ44	16LE44R
MAR 10, 478	05:59 AM	180	21AQ11	21LE11R
FEB 23, 480	10:45 PM	180	25AQ51	25LE51R
FEB 09, 482	05:45 AM	180	00PI42	00VI42R
JAN 26, 484	10:41 AM	180	05PI40	05VI40R
JAN 10, 486	02:39 PM	180	10PI42	10VI42R
DEC 23, 487	02:36 AM	180	15PI43	15VI43R
JUN 22, 489	09:04 PM	180	15PI37	15VI37
SEP 30, 489	06:48 AM	180	18PI49R	18VI49
NOV 06, 489	01:34 AM	180	20PI00	20VI00
MAY 20, 491	11:26 AM	180	20PI19	20VI19R
MAY 02, 493	05:50 AM	180	25PI35	25VI35R
APR 18, 495	09:01 AM	180	01AR04	01LI04R
APR 04, 497	09:49 PM	180	06AR43	06LI43R
MAR 24, 499	00:42 AM	180	12AR26	12LI26R
MAR 11, 501	01:47 AM	180	18AR09	18LI09R
FEB 26, 503	04:13 AM	180	23AR47	23LI47R
FEB 09, 505	10:21 AM	180	29AR14	29LI14R
AUG 06, 506	08:17 PM	180	29AR16	29LI16
OCT 15, 506	02:16 AM	180	01TA25R	01SC25

JAN 12, 507	12:47 PM	180	04TA16	04SC16
JUL 04, 508	10:46 AM	180	04TA11	04SC11R
JUN 18, 510	04:13 AM	180	09TA29	09SC29R
JUN 04, 512	02:08 AM	180	14TA50	14SC50R
MAY 23, 514	05:26 AM	180	20TA09	20SC09R
MAY 10, 516	07:32 PM	180	25TA22	25SC22R
APR 29, 518	07:03 AM	180	00GE27	00SA27R
APR 15, 520	11:55 PM	180	05GE21	05SA21R
APR 01, 522	05:38 PM	180	10GE03	10SA03R
MAR 11, 524	06:14 PM	180	14GE27	14SA27
AUG 19, 525	05:04 PM	180	13GE56	13SA56R
AUG 01, 527	06:02 PM	180	18GE15	18SA15R
JUL 17, 529	04:53 PM	180	22GE33	22SA33R
JUL 05, 531	01:19 AM	180	26GE49	26SA49R
JUN 21, 533	09:43 PM	180	00CA59	00CP59R
JUN 09, 535	05:28 PM	180	05CA02	05CP02R
MAY 26, 537	10:49 PM	180	08CA58	08CP58R
MAY 12, 539	04:04 PM	180	12CA45	12CP45R
APR 23, 541	01:39 PM	180	16CA19	16CP19R
SEP 27, 542	08:44 AM	180	15CA33	15CP33
FEB 13, 543	11:04 PM	180	18CA43R	18CP43
MAR 12, 543	09:48 PM	180	19CA18	19CP18
SEP 05, 544	02:04 PM	180	18CA57	18CP57R
AUG 21, 546	04:23 AM	180	22CA24	22CP24R
AUG 06, 548	01:05 PM	180	25CA51	25CP51R
JUL 24, 550	01:17 PM	180	29CA15	29CP15R
JUL 10, 552	01:49 PM	180	02LE35	02AQ35R
JUN 27, 554	01:41 AM	180	05LE49	05AQ49R
JUN 11, 556	05:03 AM	180	08LE56	08AQ56R
MAY 24, 558	02:40 AM	180	11LE54	11AQ54R

OCT 27, 559	08:02 PM	180	11LE03	11AQ03
FEB 19, 560	05:36 AM	180	13LE21R	13AQ21
APR 20, 560	03:56 PM	180	14LE33	14AQ33
OCT 03, 561	12:53 PM	180	13LE51	13AQ51R
SEP 17, 563	00:17 AM	180	16LE46	16AQ46R
SEP 01, 565	12:34 PM	180	19LE40	19AQ40R
AUG 18, 567	05:46 PM	180	22LE34	22AQ34R
AUG 04, 569	00:03 AM	180	25LE25	25AQ25R
JUL 20, 571	06:03 PM	180	28LE12	28AQ12R
JUL 04, 573	04:24 AM	180	00VI54	00PI54R
JUN 15, 575	08:33 AM	180	03VI30	03PI30R
NOV 18, 576	11:51 PM	180	02VI35	02PI35
MAR 12, 577	04:40 AM	180	04VI42R	04PI42
MAY 11, 577	07:24 AM	180	05VI47	05PI47
OCT 25, 578	08:41 AM	180	05VI01	05PI01R
OCT 07, 580	01:48 AM	180	07VI34	07PI34R
SEP 21, 582	10:28 PM	180	10VI08	10PI08R
SEP 06, 584	12:52 PM	180	12VI42	12PI42R
AUG 23, 586	04:03 AM	180	15VI16	15PI16R
AUG 07, 588	05:26 AM	180	17VI46	17PI46R
JUL 21, 590	08:05 PM	180	20VI12	20PI12R
JUN 30, 592	03:45 PM	180	22VI31	22PI31R
DEC 05, 593	11:26 PM	180	21VI32	21PI32
APR 22, 594	06:46 AM	180	24VI00R	24PI00
MAY 13, 594	06:21 PM	180	24VI21	24PI21
NOV 11, 595	01:19 PM	180	23VI45	23PI45R
OCT 23, 597	11:12 PM	180	26VI05	26PI05R
OCT 08, 599	09:40 AM	180	28VI27	28PI27R
SEP 22, 601	12:29 PM	180	00LI49	00AR49R
SEP 07, 603	01:24 PM	180	03LI11	03AR11R

AUG 21, 605	09:01 PM	180	05LI29	05AR29R
AUG 04, 607	10:59 AM	180	07LI44	07AR44R
JUL 12, 609	02:47 AM	180	09LI51	09AR51R
DEC 18, 610	05:36 PM	180	08LI51	08AR51R
NOV 24, 612	12:28 PM	180	10LI58	10AR58R
NOV 06, 614	10:17 PM	180	13LI11	13AR11R
OCT 21, 616	01:40 AM	180	15LI26	15AR26R
OCT 05, 618	05:44 PM	180	17LI41	17AR41R
SEP 19, 620	05:38 AM	180	19LI56	19AR56R
SEP 02, 622	07:59 PM	180	22LI08	22AR08R
AUG 14, 624	04:37 AM	180	24LI17	24AR17R
JUL 18, 626	10:08 PM	180	26LI16	26AR16
DEC 29, 627	03:53 AM	180	25LI16	25AR16R
DEC 06, 629	08:05 AM	180	27LI20	27AR20R
NOV 18, 631	09:21 PM	180	29LI30	29AR30R
NOV 01, 633	09:01 PM	180	01SC43	01TA43R
OCT 17, 635	04:50 AM	180	03SC56	03TA56R
SEP 30, 637	04:45 AM	180	06SC10	06TA10R
SEP 13, 639	00:02 AM	180	08SC20	08TA20R
AUG 22, 641	03:24 PM	180	10SC26	10TA26R
FEB 12, 643	10:57 PM	180	09SC32	09TA32
APR 30, 643	09:09 PM	180	10SC54R	10TA54
JUL 17, 643	04:17 AM	180	12SC15	12TA15
JAN 06, 645	12:35 PM	180	11SC23	11TA23R
DEC 17, 646	01:37 AM	180	13SC30	13TA30R
NOV 28, 648	09:27 PM	180	15SC43	15TA43R
NOV 12, 650	07:26 PM	180	17SC58	17TA58R
OCT 26, 652	08:19 PM	180	20SC15	20TA15R
OCT 10, 654	07:17 AM	180	22SC31	22TA31R
SEP 21, 656	03:35 AM	180	24SC43	24TA43R

AUG 29, 658	01:59 AM	180	26SC50	26TA50R
FEB 14, 660	04:59 AM	180	25SC50	25TA50
JAN 16, 662	02:39 AM	180	27SC54	27TA54R
DEC 27, 663	07:27 PM	180	00SA09	00GE09R
DEC 09, 665	09:32 PM	180	02SA30	02GE30R
NOV 23, 667	06:21 PM	180	04SA53	04GE53R
NOV 06, 669	01:59 PM	180	07SA19	07GE19R
OCT 20, 671	01:19 PM	180	09SA44	09GE44R
SEP 30, 673	05:08 AM	180	12SA07	12GE07R
SEP 01, 675	09:14 PM	180	14SA20	14GE20
FEB 19, 677	08:45 PM	180	13SA21	13GE21R
JAN 26, 679	11:09 PM	180	15SA41	15GE41R
JAN 07, 681	04:26 PM	180	18SA12	18GE12R
DEC 22, 682	03:41 AM	180	20SA49	20GE49R
DEC 05, 684	03:22 AM	180	23SA31	23GE31R
NOV 18, 686	09:23 PM	180	26SA15	26GE15R
OCT 31, 688	10:31 AM	180	28SA59	28GE59R
OCT 10, 690	09:46 AM	180	01CP39	01CA39R
APR 15, 692	08:25 AM	180	00CP58	00CA58
JUN 24, 692	10:27 PM	180	02CP32R	02CA32
AUG 25, 692	12:35 PM	180	03CP54	03CA54
MAR 02, 694	09:29 PM	180	03CP16	03CA16R
FEB 09, 696	07:11 PM	180	06CP04	06CA04R
JAN 22, 698	01:16 PM	180	09CP03	09CA03R
JAN 06, 700	02:31 PM	180	12CP11	12CA11R
DEC 20, 701	10:36 PM	180	15CP24	15CA24R
DEC 04, 703	08:16 PM	180	18CP41	18CA41R
NOV 16, 705	03:11 AM	180	21CP59	21CA59R
OCT 23, 707	08:07 PM	180	25CP12	25CA12
APR 18, 709	02:16 PM	180	24CP26	24CA26

MAR 20, 711	03:31 AM	180	27CP39	27CA39R
FEB 28, 713	08:18 AM	180	01AQ14	01LE14R
FEB 12, 715	07:50 AM	180	05AQ02	05LE02R
JAN 27, 717	08:43 AM	180	09AQ00	09LE00R
JAN 12, 719	02:50 PM	180	13AQ07	13LE07R
DEC 27, 720	07:31 AM	180	17AQ20	17LE20R
DEC 09, 722	11:48 PM	180	21AQ36	21LE36R
NOV 13, 724	04:45 PM	180	25AQ45	25LE45
MAY 09, 726	04:22 PM	180	25AQ14	25LE14
APR 15, 728	04:55 AM	180	29AQ35	29LE35R
MAR 29, 730	05:44 PM	180	04PI17	04VI17R
MAR 14, 732	11:43 AM	180	09PI15	09VI15R
MAR 01, 734	04:50 AM	180	14PI25	14VI25R
FEB 16, 736	04:09 AM	180	19PI42	19VI42R
FEB 01, 738	02:26 PM	180	25PI04	25VI04R
JAN 16, 740	11:02 PM	180	00AR24	00LI24R
DEC 23, 741	01:01 PM	180	05AR33	05LI33
JUN 15, 743	10:25 AM	180	05AR20	05LI20
MAY 25, 745	09:04 AM	180	10AR40	10LI40R
MAY 10, 747	10:06 PM	180	16AR14	16LI14R
APR 27, 749	10:43 AM	180	21AR57	21LI57R
APR 15, 751	10:31 AM	180	27AR28	27LI28R
MAR 31, 753	06:19 PM	180	01TA38	01SC38R
MAR 22, 755	04:31 AM	180	08TA55	08SC55R
MAR 07, 757	10:29 AM	180	14TA15	14SC15R
FEB 17, 759	00:07 AM	180	19TA24	19SC24
JUL 31, 760	11:06 PM	180	19TA06	19SC06
JUL 11, 762	06:21 PM	180	24TA05	24SC05R
JUN 26, 764	09:22 AM	180	29TA08	29SC08R
JUN 13, 766	09:43 PM	180	04GE08	04SA08R



JUN 01, 768	03:47 AM	180	09GE03	09SA03R
MAY 20, 770	01:11 PM	180	13GE51	13SA51R
MAY 07, 772	12:55 PM	180	18GE30	18SA30R
APR 24, 774	08:09 AM	180	22GE58	22SA58R
APR 07, 776	02:29 AM	180	27GE13	27SA13R
SEP 16, 777	09:29 AM	180	26GE41	26SA41
DEC 24, 777	01:53 PM	180	29GE10R	29SA10
MAR 10, 778	00:30 AM	180	01CA03	01CP03
AUG 23, 779	06:25 AM	180	00CA35	00CP35R
AUG 06, 781	11:17 AM	180	04CA35	04CP35R
JUL 23, 783	11:38 PM	180	08CA34	08CP34R
JUL 10, 785	09:49 AM	180	12CA30	12CP30R
JUN 28, 787	01:05 AM	180	16CA21	16CP21R
JUN 14, 789	08:37 AM	180	20CA04	20CP04R
MAY 31, 791	04:17 PM	180	23CA40	23CP40R
MAY 14, 793	03:39 PM	180	27CA05	27CP05R
OCT 26, 794	04:05 PM	180	26CA28	26CP28
DEC 28, 794	09:49 AM	180	27CA47R	27CP47
APR 21, 795	09:38 AM	180	00LE16	00AQ16
SEP 25, 796	03:42 AM	180	29CA30	29CP30R
SEP 07, 798	05:47 PM	180	02LE44	02AQ44R
AUG 23, 800	05:01 AM	180	06LE00	06AQ00R
AUG 09, 802	05:57 PM	180	09LE14	09AQ14R
JUL 26, 804	01:24 PM	180	12LE24	12AQ24R
JUL 13, 806	02:20 AM	180	15LE30	15AQ30R
JUN 27, 808	05:28 PM	180	18LE30	18AQ30R
JUN 11, 810	06:03 AM	180	21LE24	21AQ24R
NOV 29, 811	00:17 AM	180	20LE46	20AQ46
JAN 08, 812	02:08 AM	180	21LE32R	21AQ32
MAY 18, 812	11:52 AM	180	24LE07	24AQ07

OCT 21, 813	02:22 PM	180	23LE14	23AQ14R
OCT 02, 815	09:41 PM	180	25LE59	25AQ59R
SEP 16, 817	12:26 PM	180	28LE46	28AQ46R
SEP 02, 819	07:30 AM	180	01VI33	01PI33R
AUG 18, 821	10:29 AM	180	04VI18	04PI18R
AUG 04, 823	07:01 AM	180	07VI01	07PI01R
JUL 19, 825	05:19 AM	180	09VI40	09PI40R
JUL 01, 827	10:55 PM	180	12VI12	12PI12R
DEC 20, 828	01:18 AM	180	11VI30	11PI30
JAN 28, 829	05:30 PM	180	12VI12R	12PI12
JUN 06, 829	07:54 PM	180	14VI34	14PI34
NOV 11, 830	02:08 AM	180	13VI37	13PI37R
OCT 21, 832	05:46 PM	180	16VI03	16PI03R
OCT 05, 834	07:13 PM	180	18VI33	18PI33R
SEP 20, 836	01:05 AM	180	21VI03	21PI03R
SEP 05, 838	01:59 PM	180	23VI33	23PI33R
AUG 20, 840	06:32 PM	180	26VI00	26PI00R
AUG 04, 842	09:21 PM	180	28VI23	28PI23R
JUL 16, 844	11:32 AM	180	00LI41	00AR41R
DEC 31, 845	12:55 PM	180	29VI50	29PI50
MAR 04, 846	00:20 AM	180	00LI55R	00AR55
JUN 18, 846	10:42 PM	180	02LI48	02AR48
NOV 27, 847	02:48 AM	180	01LI51	01AR51R
NOV 06, 849	06:02 PM	180	04LI07	04AR07R
OCT 21, 851	12:02 PM	180	06LI26	06AR26R
OCT 05, 853	07:05 AM	180	08LI46	08AR46R
SEP 20, 855	06:43 AM	180	11LI05	11AR05R
SEP 03, 857	07:54 PM	180	13LI22	13AR22R
AUG 18, 859	02:37 AM	180	15LI36	15AR36R
JUL 28, 861	03:49 AM	180	17LI45	17AR45R

JAN 08, 863	05:45 PM	180	16LI48	16AR48
APR 18, 863	11:17 AM	180	18LI32R	18AR32
JUN 21, 863	07:01 PM	180	19LI37	19AR37
DEC 09, 864	02:10 AM	180	18LI46	18AR46R
NOV 20, 866	00:26 AM	180	20LI55	20AR55R
NOV 02, 868	02:30 PM	180	23LI08	23AR08R
OCT 18, 870	01:51 AM	180	25LI22	25AR22R
OCT 01, 872	02:31 PM	180	27LI37	27AR37R
SEP 15, 874	12:52 PM	180	29LI50	29AR50R
AUG 27, 876	08:22 PM	180	01SC59	01TA59R
AUG 05, 878	12:01 PM	180	04SC02	04TA02R
JAN 15, 880	11:30 PM	180	03SC00	03TA00
DEC 20, 881	03:31 AM	180	05SC00	05TA00R
DEC 01, 883	02:20 PM	180	07SC08	07TA08R
NOV 14, 885	04:07 AM	180	09SC20	09TA20R
OCT 29, 887	09:59 AM	180	11SC34	11TA34R
OCT 12, 889	12:23 PM	180	13SC48	13TA48R
SEP 25, 891	06:09 PM	180	16SC00	16TA00R
SEP 05, 893	07:12 PM	180	18SC08	18TA08R
AUG 10, 895	01:38 AM	180	20SC08	20TA08
JAN 22, 897	12:59 PM	180	19SC07	19TA07R
DEC 30, 898	11:56 AM	180	21SC12	21TA12R
DEC 11, 900	11:46 AM	180	23SC24	23TA24R
NOV 25, 902	01:51 AM	180	25SC40	25TA40R
NOV 08, 904	02:21 AM	180	27SC58	27TA58R
OCT 22, 906	07:38 PM	180	00SA16	00GE16R
OCT 04, 908	08:30 AM	180	02SA33	02GE33R
SEP 13, 910	03:49 PM	180	04SA46	04GE46R
MAR 12, 912	06:59 PM	180	03SA57	03GE57
MAY 20, 912	11:22 AM	180	05SA15R	05GE15

AUG 04, 912	09:44 PM	180	06SA42	06GE42
JAN 31, 914	04:15 AM	180	05SA51	05GE51R
JAN 10, 916	03:04 AM	180	08SA06	08GE06R
DEC 22, 917	03:59 PM	180	10SA28	10GE28R
DEC 06, 919	09:16 AM	180	12SA55	12GE55R
NOV 19, 921	07:31 AM	180	15SA24	15GE24R
NOV 02, 923	05:35 PM	180	17SA55	17GE55R
OCT 14, 925	11:26 AM	180	20SA24	20GE24R
SEP 20, 927	10:07 PM	180	22SA46	22GE46R
MAR 11, 929	11:40 PM	180	21SA48	21GE48
FEB 10, 931	09:07 PM	180	24SA08	24GE08R
JAN 21, 933	10:17 AM	180	26SA42	26GE42R
JAN 04, 935	01:52 PM	180	29SA24	29GE24R
DEC 18, 936	01:41 PM	180	02CP12	02CA12R
DEC 02, 938	01:10 PM	180	05CP03	05CA03R
NOV 14, 940	05:38 PM	180	07CP56	07CA56R
OCT 26, 942	01:16 PM	180	10CP47	10CA47R
SEP 26, 944	04:35 PM	180	13CP28	13CA28
MAR 21, 946	09:59 AM	180	12CP36	12CA36
FEB 25, 948	10:42 AM	180	15CP30	15CA30R
FEB 06, 950	10:52 AM	180	18CP38	18CA38R
JAN 21, 952	08:22 AM	180	21CP55	21CA55R
JAN 04, 954	09:13 PM	180	25CP19	25CA19R
DEC 20, 955	06:49 AM	180	28CP49	28CA49R
DEC 02, 957	02:45 PM	180	02AQ22	02LE22R
NOV 12, 959	01:48 PM	180	05AQ55	05LE55R
MAY 29, 961	02:20 AM	180	05AQ40	05LE40
JUL 13, 961	02:17 AM	180	06AQ52R	06LE52
OCT 01, 961	02:18 PM	180	09AQ03	09LE03
APR 08, 963	07:40 AM	180	08AQ37	08LE37R

MAR 17, 965	06:02 PM	180	12AQ23	12LE23R
MAR 01, 967	09:32 AM	180	16AQ26	16LE26R
FEB 13, 969	12:58 PM	180	20AQ41	20LE41R
JAN 30, 971	05:50 AM	180	25AQ07	25LE07R
JAN 14, 973	06:53 PM	180	29AQ40	29LE40R
DEC 30, 974	01:56 AM	180	04PI17	04VI17R
DEC 09, 976	02:24 AM	180	08PI52	08VI52R
JUN 08, 978	08:29 PM	180	08PI35	08VI35
MAY 06, 980	08:36 PM	180	13PI00	13VI00R
APR 19, 982	05:34 AM	180	17PI57	17VI57R
APR 03, 984	09:37 PM	180	23PI12	23VI12R
MAR 21, 986	09:29 PM	180	28PI37	28VI37R
MAR 08, 988	09:09 AM	180	04AR09	04LI09R
FEB 23, 990	05:22 PM	180	09AR44	09LI44R
FEB 09, 992	10:05 PM	180	15AR17	15LI17R
JAN 22, 994	08:35 AM	180	20AR42	20LI42R
JUL 17, 995	00:47 AM	180	20AR37	20LI37
NOV 09, 995	06:26 PM	180	24AR24R	24LI24
DEC 08, 995	05:16 AM	180	25AR18	25LI18
JUN 18, 997	02:42 PM	180	25AR46	25LI46R
JUN 02, 999	06:44 PM	180	01TA16	01SC16R

## 2ND MILLENNIUM CE

This is a list of oppositions between Mars and Pluto in the 2nd millennium CE.

DATE	TIME	ARC	MARS	PLUTO
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MAY 19, 1001   06:30 PM   180   06TA51   06SC51R
MAY 07, 1003   09:58 PM   180   12TA26   12SC26R
APR 25, 1005   11:15 AM   180   17TA57   17SC57R
APR 13, 1007   08:08 PM   180   23TA21   23SC21R
MAR 31, 1009   06:58 AM   180   28TA35   28SC35R
MAR 16, 1011   04:52 AM   180   03GE37   03SA37R
SEP 05, 1012   09:03 PM   180   03GE30   03SA30
NOV 05, 1012   01:17 AM   180   05GE11R   05SA11
FEB 19, 1013   02:13 AM   180   08GE15   08SA15
AUG 04, 1014   02:31 PM   180   07GE55   07SA55R
JUL 18, 1016   02:26 AM   180   12GE36   12SA36R
JUL 04, 1018   03:48 PM   180   17GE18   17SA18R
JUN 21, 1020   09:46 AM   180   21GE56   21SA56R
JUN 09, 1022   01:51 PM   180   26GE28   26SA28R
MAY 27, 1024   02:37 PM   180   00CA52   00CP52R
MAY 14, 1026   09:02 PM   180   05CA06   05CP06R
APR 29, 1028   07:05 AM   180   09CA08   09CP08R
APR 09, 1030   02:52 PM   180   12CA55   12CP55R
SEP 14, 1031   09:12 AM   180   12CA13   12CP13R
AUG 25, 1033   05:55 PM   180   15CA55   15CP55R
AUG 11, 1035   03:19 AM   180   19CA39   19CP39R
JUL 27, 1037   10:58 PM   180   23CA22   23CP22R
JUL 15, 1039   06:38 AM   180   27CA00   27CP00R
JUL 01, 1041   12:23 PM   180   00LE32   00AQ32R
JUN 18, 1043   02:39 AM   180   03LE58   03AQ58R
JUN 02, 1045   04:11 AM   180   07LE16   07AQ16R
MAY 14, 1047   08:09 AM   180   10LE24   10AQ24R
OCT 15, 1048   10:37 PM   180   09LE33   09AQ33R
MAR 14, 1049   07:42 AM   180   12LE41R   12AQ41

MAR 25, 1049	03:23 PM	180	12LE54	12AQ54
SEP 25, 1050	01:21 AM	180	12LE34	12AQ34R
SEP 08, 1052	07:24 AM	180	15LE39	15AQ39R
AUG 25, 1054	05:41 AM	180	18LE43	18AQ43R
AUG 10, 1056	06:17 PM	180	21LE46	21AQ46R
JUL 28, 1058	06:24 AM	180	24LE46	24AQ46R
JUL 13, 1060	04:32 AM	180	27LE41	27AQ41R
JUN 27, 1062	03:24 PM	180	00VI31	00PI31R
JUN 07, 1064	09:47 AM	180	03VI11	03PI11R
NOV 10, 1065	04:09 AM	180	02VI16	02PI16
MAR 26, 1066	04:08 AM	180	04VI52R	04PI52
APR 26, 1066	08:49 AM	180	05VI26	05PI26
OCT 18, 1067	05:29 PM	180	04VI50	04PI50R
OCT 01, 1069	03:13 AM	180	07VI29	07PI29R
SEP 16, 1071	09:33 AM	180	10VI10	10PI10R
SEP 01, 1073	06:48 AM	180	12VI51	12PI51R
AUG 18, 1075	03:24 AM	180	15VI30	15PI30R
AUG 02, 1077	08:25 AM	180	18VI05	18PI05R
JUL 16, 1079	11:38 PM	180	20VI34	20PI34R
JUN 25, 1081	01:01 PM	180	22VI57	22PI57R
NOV 29, 1082	05:42 AM	180	21VI58	21PI58R
NOV 05, 1084	10:55 AM	180	24VI17	24PI17R
OCT 19, 1086	10:10 AM	180	26VI41	26PI41R
OCT 03, 1088	04:41 AM	180	29VI07	29PI07R
SEP 18, 1090	12:30 PM	180	01LI33	01AR33R
SEP 02, 1092	05:52 PM	180	03LI58	03AR58R
AUG 18, 1094	05:31 AM	180	06LI19	06AR19R
JUL 30, 1096	10:02 PM	180	08LI37	08AR37R
JUL 08, 1098	10:35 AM	180	10LI47	10AR47R
DEC 13, 1099	07:42 PM	180	09LI47	09AR47R

NOV 20, 1101	01:35 PM	180	11LI56	11AR56R
NOV 03, 1103	08:12 AM	180	14LI10	14AR10R
OCT 17, 1105	05:48 PM	180	16LI27	16AR27R
OCT 02, 1107	02:59 PM	180	18LI44	18AR44R
SEP 16, 1109	07:00 AM	180	21LI01	21AR01R
AUG 31, 1111	01:31 AM	180	23LI15	23AR15R
AUG 11, 1113	01:40 PM	180	25LI25	25AR25R
JUL 16, 1115	07:52 AM	180	27LI25	27AR25
DEC 24, 1116	09:40 AM	180	26LI25	26AR25R
DEC 03, 1118	04:06 AM	180	28LI30	28AR30R
NOV 15, 1120	00:04 AM	180	00SC41	00TA41R
OCT 30, 1122	04:39 AM	180	02SC54	02TA54R
OCT 13, 1124	04:59 PM	180	05SC08	05TA08R
SEP 27, 1126	07:51 PM	180	07SC21	07TA21R
SEP 09, 1128	05:52 PM	180	09SC30	09TA30R
AUG 20, 1130	01:51 PM	180	11SC35	11TA35R
FEB 08, 1132	07:39 AM	180	10SC41	10TA41
APR 28, 1132	02:42 PM	180	12SC06R	12TA06
JUL 15, 1132	01:11 AM	180	13SC26	13TA26
JAN 03, 1134	11:46 AM	180	12SC33	12TA33R
DEC 14, 1135	08:50 AM	180	14SC39	14TA39R
NOV 26, 1137	08:32 AM	180	16SC51	16TA51R
NOV 10, 1139	08:52 AM	180	19SC04	19TA04R
OCT 24, 1141	12:29 PM	180	21SC18	21TA18R
OCT 08, 1143	02:46 AM	180	23SC32	23TA32R
SEP 19, 1145	02:19 AM	180	25SC43	25TA43R
AUG 27, 1147	08:50 AM	180	27SC48	27TA48R
FEB 10, 1149	00:49 AM	180	26SC48	26TA48
JAN 13, 1151	06:41 AM	180	28SC50	28TA50R
DEC 24, 1152	02:31 AM	180	01SA02	01GE02R



DEC 07, 1154	07:20 AM	180	03SA18	03GE18R
NOV 20, 1156	05:57 AM	180	05SA38	05GE38R
NOV 04, 1158	03:05 AM	180	08SA00	08GE00R
OCT 17, 1160	04:59 AM	180	10SA20	10GE20R
SEP 28, 1162	00:05 AM	180	12SA37	12GE37R
AUG 30, 1164	07:14 AM	180	14SA46	14GE46
FEB 16, 1166	02:36 PM	180	13SA46	13GE46R
JAN 23, 1168	06:59 PM	180	16SA01	16GE01R
JAN 04, 1170	12:26 PM	180	18SA26	18GE26R
DEC 19, 1171	00:23 AM	180	20SA56	20GE56R
DEC 02, 1173	00:03 AM	180	23SA30	23GE30R
NOV 15, 1175	04:38 PM	180	26SA06	26GE06R
OCT 28, 1177	05:01 AM	180	28SA41	28GE41R
OCT 07, 1179	07:42 AM	180	01CP12	01CA12R
APR 11, 1181	09:23 AM	180	00CP29	00CA29
JUN 16, 1181	03:53 AM	180	01CP53R	01CA53
AUG 25, 1181	02:12 AM	180	03CP22	03CA22
FEB 26, 1183	06:14 PM	180	02CP38	02CA38R
FEB 04, 1185	02:18 PM	180	05CP17	05CA17R
JAN 18, 1187	04:58 AM	180	08CP05	08CA05R
JAN 01, 1189	02:11 AM	180	11CP00	11CA00R
DEC 16, 1190	06:34 AM	180	13CP59	13CA59R
NOV 28, 1192	11:50 PM	180	17CP01	17CA01R
NOV 11, 1194	01:37 AM	180	20CP04	20CA04R
OCT 17, 1196	05:02 PM	180	23CP02	23CA02R
APR 12, 1198	04:05 PM	180	22CP12	22CA12
MAR 12, 1200	09:28 PM	180	25CP08	25CA08R
FEB 21, 1202	06:59 PM	180	28CP23	28CA23R
FEB 05, 1204	11:04 AM	180	01AQ51	01LE51R
JAN 20, 1206	02:41 AM	180	05AQ29	05LE29R

JAN 04, 1208	10:38 PM	180	09AQ15	09LE15R
DEC 19, 1209	04:09 AM	180	13AQ05	13LE05R
DEC 01, 1211	04:57 AM	180	16AQ57	16LE57R
NOV 03, 1213	02:12 PM	180	20AQ40	20LE40
APR 29, 1215	11:07 PM	180	20AQ01	20LE01
APR 05, 1217	03:55 AM	180	23AQ58	23LE58R
MAR 19, 1219	04:17 AM	180	28AQ16	28LE16R
MAR 03, 1221	09:34 AM	180	02PI49	02VI49R
FEB 17, 1223	11:21 AM	180	07PI34	07VI34R
FEB 02, 1225	04:09 PM	180	12PI27	12VI27R
JAN 19, 1227	04:41 AM	180	17PI25	17VI25R
JAN 01, 1229	06:54 AM	180	22PI23	22VI23R
DEC 04, 1230	09:24 PM	180	27PI08	27VI08
MAY 30, 1232	02:57 PM	180	26PI54	26VI54
MAY 10, 1234	05:14 PM	180	02AR01	02LI01R
APR 24, 1236	10:11 PM	180	07AR26	07LI26R
APR 11, 1238	10:47 PM	180	13AR01	13LI01R
MAR 29, 1240	06:35 PM	180	18AR41	18LI41R
MAR 17, 1242	05:35 PM	180	24AR23	24LI23R
MAR 04, 1244	01:59 AM	180	00TA03	00SC03R
FEB 17, 1246	09:40 AM	180	05TA35	05SC35R
JAN 26, 1248	01:57 PM	180	10TA51	10SC51
JUL 14, 1249	07:57 AM	180	10TA39	10SC39
JUN 25, 1251	05:32 PM	180	15TA56	15SC56R
JUN 10, 1253	08:02 PM	180	21TA18	21SC18R
MAY 29, 1255	01:42 PM	180	26TA40	26SC40R
MAY 16, 1257	11:44 PM	180	01GE58	01SA58R
MAY 05, 1259	11:58 AM	180	07GE09	07SA09R
APR 22, 1261	11:17 AM	180	12GE11	12SA11R
APR 08, 1263	09:38 PM	180	17GE00	17SA00R

MAR 21, 1265	04:36 AM	180	21GE33	21SA33R
AUG 30, 1266	01:58 AM	180	21GE03	21SA03
AUG 08, 1268	10:58 AM	180	25GE22	25SA22R
JUL 24, 1270	03:49 PM	180	29GE44	29SA44R
JUL 10, 1272	05:27 PM	180	04CA05	04CP05R
JUN 28, 1274	12:08 PM	180	08CA20	08CP20R
JUN 15, 1276	09:23 AM	180	12CA29	12CP29R
JUN 02, 1278	07:56 PM	180	16CA30	16CP30R
MAY 19, 1280	01:46 AM	180	20CA21	20CP21R
MAY 02, 1282	10:01 AM	180	24CA01	24CP01R
OCT 09, 1283	02:03 PM	180	23CA21	23CP21
JAN 14, 1284	02:24 AM	180	25CA32R	25CP32
APR 03, 1284	11:16 PM	180	27CA22	27CP22
SEP 14, 1285	00:59 AM	180	26CA44	26CP44R
AUG 28, 1287	06:56 PM	180	00LE14	00AQ14R
AUG 13, 1289	07:47 PM	180	03LE43	03AQ43R
JUL 31, 1291	05:18 PM	180	07LE09	07AQ09R
JUL 17, 1293	07:03 PM	180	10LE32	10AQ32R
JUL 04, 1295	12:45 PM	180	13LE49	13AQ49R
JUN 19, 1297	05:27 AM	180	17LE01	17AQ01R
JUN 02, 1299	10:57 AM	180	20LE04	20AQ04R
NOV 10, 1300	11:33 AM	180	19LE19	19AQ19
JAN 23, 1301	02:55 AM	180	20LE47R	20AQ47
MAY 07, 1301	02:39 PM	180	22LE53	22AQ53
OCT 12, 1302	04:28 PM	180	22LE03	22AQ03R
SEP 24, 1304	02:53 AM	180	24LE58	24AQ58R
SEP 09, 1306	06:41 AM	180	27LE53	27AQ53R
AUG 25, 1308	10:37 AM	180	00VI49	00PI49R
AUG 11, 1310	07:56 PM	180	03VI42	03PI42R
JUL 27, 1312	09:14 PM	180	06VI32	06PI32R

JUL 12, 1314	09:32 PM	180	09VI17	09PI17R
JUN 24, 1316	10:43 AM	180	11VI55	11PI55R
DEC 05, 1317	01:41 AM	180	11VI06	11PI06
FEB 11, 1318	01:42 AM	180	12VI21R	12PI21
MAY 29, 1318	08:59 PM	180	14VI22	14PI22
NOV 04, 1319	01:20 AM	180	13VI28	13PI28R
OCT 15, 1321	05:04 PM	180	16VI01	16PI01R
SEP 30, 1323	06:04 AM	180	18VI36	18PI36R
SEP 14, 1325	07:26 PM	180	21VI12	21PI12R
AUG 31, 1327	01:23 PM	180	23VI46	23PI46R
AUG 15, 1329	09:50 PM	180	26VI17	26PI17R
JUL 31, 1331	03:39 AM	180	28VI44	28PI44R
JUL 11, 1333	04:29 PM	180	01LI06	01AR06R
DEC 21, 1334	07:45 PM	180	00LI13	00AR13
MAR 11, 1335	08:45 PM	180	01LI37R	01AR37
JUN 12, 1335	10:30 PM	180	03LI16	03AR16
NOV 20, 1336	04:19 PM	180	02LI21	02AR21R
NOV 02, 1338	00:40 AM	180	04LI41	04AR41R
OCT 16, 1340	02:57 AM	180	07LI02	07AR02R
OCT 01, 1342	04:18 AM	180	09LI25	09AR25R
SEP 15, 1344	09:11 AM	180	11LI47	11AR47R
AUG 31, 1346	02:35 AM	180	14LI07	14AR07R
AUG 13, 1348	12:45 PM	180	16LI24	16AR24R
JUL 24, 1350	02:44 PM	180	18LI34	18AR34R
JAN 02, 1352	10:25 AM	180	17LI36	17AR36
APR 21, 1352	12:27 PM	180	19LI32R	19AR32
JUN 15, 1352	04:50 PM	180	20LI27	20AR27
DEC 04, 1353	07:15 PM	180	19LI38	19AR38R
NOV 16, 1355	06:08 AM	180	21LI50	21AR50R
OCT 30, 1357	03:14 AM	180	24LI04	24AR04R

OCT 14, 1359	07:54 PM	180	26LI20	26AR20R
SEP 28, 1361	01:18 PM	180	28LI36	28AR36R
SEP 12, 1363	02:51 PM	180	00SC49	00TA49R
AUG 25, 1365	00:35 AM	180	02SC58	02TA58R
AUG 02, 1367	06:55 PM	180	05SC01	05TA01R
JAN 10, 1369	01:52 PM	180	04SC00	04TA00
DEC 16, 1370	04:09 PM	180	06SC01	06TA01R
NOV 27, 1372	11:24 AM	180	08SC10	08TA10R
NOV 11, 1374	05:59 AM	180	10SC22	10TA22R
OCT 25, 1376	02:50 PM	180	12SC35	12TA35R
OCT 09, 1378	08:40 PM	180	14SC48	14TA48R
SEP 22, 1380	06:11 AM	180	16SC59	16TA59R
SEP 03, 1382	10:56 AM	180	19SC07	19TA07R
AUG 07, 1384	02:01 AM	180	21SC06	21TA06
JAN 19, 1386	02:24 AM	180	20SC05	20TA05R
DEC 27, 1387	10:21 AM	180	22SC09	22TA09R
DEC 08, 1389	02:30 PM	180	24SC19	24TA19R
NOV 22, 1391	08:13 AM	180	26SC33	26TA33R
NOV 05, 1393	11:29 AM	180	28SC48	28TA48R
OCT 20, 1395	07:04 AM	180	01SA04	01GE04R
OCT 01, 1397	11:24 PM	180	03SA18	03GE18R
SEP 11, 1399	11:29 AM	180	05SA28	05GE28R
MAR 08, 1401	04:42 AM	180	04SA37	04GE37
MAY 16, 1401	07:55 PM	180	05SA53R	05GE53
AUG 04, 1401	05:03 AM	180	07SA20	07GE20
JAN 27, 1403	08:38 PM	180	06SA28	06GE28R
JAN 05, 1405	11:59 PM	180	08SA39	08GE39R
DEC 19, 1406	02:52 PM	180	10SA57	10GE57R
DEC 02, 1408	10:13 AM	180	13SA20	13GE20R
NOV 16, 1410	10:03 AM	180	15SA44	15GE44R

OCT 29, 1412	08:16 PM	180	18SA09	18GE09R
OCT 11, 1414	03:20 PM	180	20SA31	20GE31R
SEP 17, 1416	09:42 AM	180	22SA48	22GE48R
MAR 08, 1418	00:59 AM	180	21SA49	21GE49
FEB 07, 1420	03:06 AM	180	24SA02	24GE02R
JAN 17, 1422	05:35 PM	180	26SA29	26GE29R
DEC 31, 1423	08:02 PM	180	29SA03	29GE03R
DEC 14, 1425	06:03 PM	180	01CP42	01CA42R
NOV 28, 1427	04:10 PM	180	04CP23	04CA23R
NOV 10, 1429	07:18 PM	180	07CP05	07CA05R
OCT 22, 1431	01:45 PM	180	09CP45	09CA45R
SEP 23, 1433	03:30 AM	180	12CP17	12CA17
MAR 16, 1435	10:28 AM	180	11CP22	11CA22R
FEB 19, 1437	07:27 AM	180	14CP02	14CA02R
FEB 01, 1439	03:47 AM	180	16CP56	16CA56R
JAN 14, 1441	09:27 PM	180	19CP58	19CA58R
DEC 30, 1442	04:46 AM	180	23CP07	23CA07R
DEC 13, 1444	08:26 AM	180	26CP20	26CA20R
NOV 26, 1446	10:13 AM	180	29CP36	29CA36R
NOV 05, 1448	01:10 AM	180	02AQ50	02LE50R
MAY 19, 1450	11:08 PM	180	02AQ26	02LE26
JUL 09, 1450	05:59 AM	180	03AQ42R	03LE42
SEP 24, 1450	03:18 AM	180	05AQ39	05LE39
MAR 30, 1452	06:35 PM	180	05AQ07	05LE07R
MAR 09, 1454	09:23 PM	180	08AQ32	08LE32R
FEB 21, 1456	03:30 AM	180	12AQ12	12LE12R
FEB 04, 1458	09:22 PM	180	16AQ04	16LE04R
JAN 21, 1460	02:00 AM	180	20AQ05	20LE05R
JAN 04, 1462	11:35 PM	180	24AQ12	24LE12R
DEC 19, 1463	12:02 PM	180	28AQ22	28LE22R

NOV 27, 1465	07:45 AM	180	02PI30	02VI30R
MAY 27, 1467	03:25 AM	180	02PI02	02VI02
APR 24, 1469	10:33 PM	180	06PI05	06VI05R
APR 06, 1471	09:19 PM	180	10PI38	10VI38R
MAR 21, 1473	11:02 PM	180	15PI28	15VI28R
MAR 08, 1475	06:28 AM	180	20PI29	20VI29R
FEB 22, 1477	00:51 AM	180	25PI40	25VI40R
FEB 08, 1479	12:59 PM	180	00AR56	00LI56R
JAN 23, 1481	02:52 PM	180	06AR13	06LI13R
JAN 03, 1483	08:01 PM	180	11AR26	11LI26
JUN 27, 1484	02:37 PM	180	11AR15	11LI15
JUN 02, 1486	06:45 AM	180	16AR23	16LI23R
MAY 16, 1488	11:41 AM	180	21AR51	21LI51R
MAY 03, 1490	07:32 AM	180	27AR29	27LI29R
APR 20, 1492	05:14 AM	180	03TA12	03SC12R
APR 08, 1494	12:21 PM	180	08TA54	08SC54R
MAR 26, 1496	02:03 PM	180	14TA32	14SC32R
MAR 13, 1498	10:48 AM	180	20TA02	20SC02R
FEB 24, 1500	07:16 PM	180	25TA19	25SC19R
AUG 13, 1501	04:44 AM	180	25TA07	25SC07
NOV 29, 1501	05:12 PM	180	28TA26R	28SC26
JAN 19, 1502	07:12 AM	180	29TA57	29SC57
JUL 18, 1503	09:38 PM	180	00GE01	00SA01R
JUL 02, 1505	09:47 AM	180	05GE07	05SA07R
JUN 19, 1507	11:28 AM	180	10GE13	10SA13R
JUN 06, 1509	01:23 PM	180	15GE15	15SA15R
MAY 25, 1511	10:32 PM	180	20GE11	20SA11R
MAY 13, 1513	01:29 AM	180	24GE57	24SA57R
APR 30, 1515	05:41 AM	180	29GE32	29SA32R
APR 14, 1517	00:24 AM	180	03CA53	03CP53R

OCT 02, 1518	10:45 AM	180	03CA34	03CP34
NOV 27, 1518	03:57 AM	180	04CA57R	04CP57
MAR 22, 1519	04:21 AM	180	07CA56	07CP56
AUG 30, 1520	00:24 AM	180	07CA23	07CP23R
AUG 13, 1522	01:42 AM	180	11CA28	11CP28R
JUL 29, 1524	04:04 AM	180	15CA32	15CP32R
JUL 16, 1526	10:09 AM	180	19CA33	19CP33R
JUL 03, 1528	00:51 AM	180	23CA27	23CP27R
JUN 20, 1530	11:28 AM	180	27CA16	27CP16R
JUN 06, 1532	03:47 AM	180	00LE56	00AQ56R
MAY 21, 1534	11:56 PM	180	04LE28	04AQ28R
APR 30, 1536	05:56 PM	180	07LE47	07AQ47R
OCT 03, 1537	09:36 PM	180	06LE59	06AQ59R
SEP 15, 1539	00:12 AM	180	10LE15	10AQ15R
AUG 29, 1541	11:48 PM	180	13LE32	13AQ32R
AUG 16, 1543	08:55 AM	180	16LE49	16AQ49R
AUG 02, 1545	05:23 AM	180	20LE03	20AQ03R
JUL 19, 1547	11:13 PM	180	23LE13	23AQ13R
JUL 05, 1549	00:19 AM	180	26LE18	26AQ18R
JUN 19, 1551	09:01 AM	180	29LE15	29AQ15R
MAY 29, 1553	06:52 AM	180	02VI03	02PI03R
OCT 31, 1554	05:15 AM	180	01VI08	01PI08R
OCT 09, 1556	07:09 PM	180	03VI53	03PI53R
SEP 23, 1558	10:22 PM	180	06VI42	06PI42R
SEP 08, 1560	02:35 PM	180	09VI31	09PI31R
AUG 25, 1562	06:51 PM	180	12VI19	12PI19R
AUG 10, 1564	07:54 PM	180	15VI03	15PI03R
JUL 27, 1566	03:46 AM	180	17VI44	17PI44R
JUL 09, 1568	06:46 PM	180	20VI19	20PI19R
JUN 18, 1570	07:28 PM	180	22VI46	22PI46R



NOV 21, 1571	08:59 AM	180	21VI48	21PI48R
OCT 30, 1573	05:15 AM	180	24VI13	24PI13R
OCT 13, 1575	06:11 PM	180	26VI43	26PI43R
SEP 27, 1577	08:27 PM	180	29VI14	29PI14R
SEP 13, 1579	10:24 AM	180	01LI44	01AR44R
AUG 28, 1581	08:57 PM	180	04LI13	04AR13R
AUG 23, 1583	12:19 PM	180	06LI39	06AR39R
AUG 05, 1585	05:59 AM	180	09LI00	09AR00R
JUL 13, 1587	09:47 AM	180	11LI12	11AR12R
DEC 16, 1588	05:36 PM	180	10LI12	10AR12R
NOV 25, 1590	02:23 PM	180	12LI25	12AR25R
NOV 07, 1592	08:17 PM	180	14LI43	14AR43R
OCT 23, 1594	01:01 PM	180	17LI03	17AR03R
OCT 07, 1596	03:34 PM	180	19LI23	19AR23R
SEP 22, 1598	12:24 PM	180	21LI42	21AR42R
SEP 05, 1600	09:43 AM	180	23LI58	23AR58R
AUG 17, 1602	10:29 PM	180	26LI08	26AR08R
FEB 14, 1604	00:36 AM	180	25LI26	25AR26
MAR 14, 1604	12:33 PM	180	25LI55R	25AR55
JUL 21, 1604	09:50 AM	180	28LI09	28AR09
DEC 29, 1605	04:10 PM	180	27LI10	27AR10R
DEC 09, 1607	03:37 AM	180	29LI17	29AR17R
NOV 21, 1609	08:05 AM	180	01SC30	01TA30R
NOV 05, 1611	05:57 PM	180	03SC44	03TA44R
OCT 20, 1613	09:53 AM	180	05SC58	05TA58R
OCT 04, 1615	04:23 PM	180	08SC11	08TA11R
SEP 16, 1617	06:13 PM	180	10SC22	10TA22R
AUG 27, 1619	04:56 PM	180	12SC27	12TA27R
FEB 11, 1621	07:19 AM	180	11SC32	11TA32
MAY 09, 1621	08:54 PM	180	13SC03R	13TA03

JUL 22, 1621	05:23 AM	180	14SC18	14TA18
JAN 09, 1623	04:36 PM	180	13SC25	13TA25R
DEC 19, 1624	10:45 PM	180	15SC31	15TA31R
DEC 03, 1626	03:25 AM	180	17SC41	17TA41R
NOV 16, 1628	08:02 AM	180	19SC54	19TA54R
OCT 31, 1630	03:08 PM	180	22SC07	22TA07R
OCT 14, 1632	08:17 AM	180	24SC20	24TA20R
SEP 26, 1634	11:41 AM	180	26SC30	26TA30R
SEP 02, 1636	11:30 PM	180	28SC33	28TA33R
FEB 15, 1638	06:47 PM	180	27SC32	27TA32
JAN 19, 1640	06:50 PM	180	29SC32	29TA32R
DEC 30, 1641	08:38 PM	180	01SA41	01GE41R
DEC 14, 1643	04:38 AM	180	03SA55	03GE55R
NOV 27, 1645	06:25 AM	180	06SA13	06GE13R
NOV 11, 1647	06:13 AM	180	08SA30	08GE30R
OCT 24, 1649	09:30 AM	180	10SA47	10GE47R
OCT 05, 1651	06:59 AM	180	13SA00	13GE00R
SEP 07, 1653	02:41 AM	180	15SA05	15GE05
FEB 22, 1655	05:42 PM	180	14SA05	14GE05R
JAN 29, 1657	04:51 AM	180	16SA16	16GE16R
JAN 11, 1659	01:22 AM	180	18SA36	18GE36R
DEC 24, 1660	01:57 PM	180	21SA00	21GE00R
DEC 08, 1662	01:21 PM	180	23SA27	23GE27R
NOV 21, 1664	06:23 AM	180	25SA55	25GE55R
NOV 03, 1666	07:30 PM	180	28SA22	28GE22R
OCT 13, 1668	00:20 AM	180	00CP46	00CA46R
APR 16, 1670	03:13 AM	180	00CP02	00CA02
JUN 20, 1670	05:28 AM	180	01CP21R	01CA21
SEP 02, 1670	03:14 PM	180	02CP52	02CA52
MAR 03, 1672	08:13 AM	180	02CP05	02CA05R

FEB 10, 1674	03:42 AM	180	04CP34	04CA34R
JAN 23, 1676	05:21 PM	180	07CP12	07CA12R
JAN 06, 1678	01:23 PM	180	09CP55	09CA55R
DEC 21, 1679	03:14 PM	180	12CP43	12CA43R
DEC 04, 1681	05:44 AM	180	15CP34	15CA34R
NOV 16, 1683	05:37 AM	180	18CP23	18CA23R
OCT 22, 1685	08:30 PM	180	21CP08	21CA08R
APR 16, 1687	11:26 AM	180	20CP15	20CA15
MAR 16, 1689	07:15 PM	180	22CP56	22CA56R
FEB 25, 1691	12:35 PM	180	25CP56	25CA56R
FEB 07, 1693	10:58 PM	180	29CP08	29CA08R
JAN 23, 1695	08:52 AM	180	02AQ27	02LE27R
JAN 06, 1697	08:59 PM	180	05AQ52	05LE52R
DEC 21, 1698	03:55 PM	180	09AQ20	09LE20R
DEC 03, 1700	04:37 AM	180	12AQ49	12LE49R
NOV 05, 1702	05:24 PM	180	16AQ09	16LE09
APR 30, 1704	06:26 PM	180	15AQ25	15LE25
APR 06, 1706	07:07 PM	180	18AQ59	18LE59R
MAR 19, 1708	10:08 AM	180	22AQ52	22LE52R
MAR 04, 1710	02:35 AM	180	26AQ59	26LE59R
FEB 17, 1712	01:37 PM	180	01PI17	01VI17R
FEB 02, 1714	02:12 AM	180	05PI42	05VI42R
JAN 17, 1716	07:07 PM	180	10PI12	10VI12R
DEC 29, 1717	04:13 PM	180	14PI43	14VI43R
NOV 28, 1719	01:29 AM	180	18PI58	18VI58
MAY 27, 1721	03:06 PM	180	18PI41	18VI41R
MAY 07, 1723	11:52 AM	180	23PI26	23VI26R
APR 21, 1725	04:36 AM	180	28PI30	28VI30R
APR 07, 1727	03:40 PM	180	03AR46	03LI46R
MAR 24, 1729	07:36 PM	180	09AR12	09LI12R

MAR 12, 1731	01:45 AM	180	14AR44	14LI44R
FEB 25, 1733	01:33 PM	180	20AR16	20LI16R
FEB 09, 1735	09:04 AM	180	25AR44	25LI44R
JAN 11, 1737	01:54 PM	180	00TA50	00SC50
JUL 07, 1738	05:29 AM	180	00TA46	00SC46R
JUN 18, 1740	10:11 AM	180	06TA11	06SC11R
JUN 04, 1742	03:55 PM	180	11TA46	11SC46R
MAY 22, 1744	10:40 AM	180	17TA24	17SC24R
MAY 10, 1746	08:21 PM	180	23TA01	23SC01R
APR 28, 1748	05:40 AM	180	28TA33	28SC33R
APR 15, 1750	10:09 PM	180	03GE55	03SA55R
MAR 31, 1752	02:34 PM	180	09GE04	09SA04R
MAR 11, 1754	00:28 AM	180	13GE54	13SA54
AUG 23, 1755	00:25 AM	180	13GE32	13SA32R
AUG 03, 1757	05:56 PM	180	18GE18	18SA18R
JUL 20, 1759	05:54 PM	180	23GE06	23SA06R
JUL 07, 1761	05:59 AM	180	27GE51	27SA51R
JUN 25, 1763	07:59 AM	180	02CA30	02CP30R
JUN 12, 1765	09:56 AM	180	07CA01	07CP01R
MAY 30, 1767	09:53 PM	180	11CA22	11CP22R
MAY 15, 1769	10:25 PM	180	15CA33	15CP33R
APR 28, 1771	02:16 AM	180	19CA30	19CP30R
OCT 03, 1772	01:35 AM	180	18CA51	18CP51
FEB 20, 1773	00:10 AM	180	22CA15R	22CP15
MAR 15, 1773	01:03 AM	180	22CA47	22CP47
SEP 12, 1774	04:52 AM	180	22CA36	22CP36R
AUG 26, 1776	11:16 PM	180	26CA23	26CP23R
AUG 13, 1778	12:58 PM	180	00LE09	00AQ09R
JUL 30, 1780	07:22 PM	180	03LE52	03AQ52R
JUL 18, 1782	04:03 AM	180	07LE31	07AQ31R

JUL 04, 1784	01:40 AM	180	11LE03	11AQ03R
JUN 19, 1786	05:26 PM	180	14LE27	14AQ27R
JUN 01, 1788	08:16 AM	180	17LE41	17AQ41R
NOV 06, 1789	06:26 AM	180	16LE53	16AQ53
FEB 18, 1790	07:25 PM	180	19LE05R	19AQ05
MAY 02, 1790	10:17 PM	180	20LE35	20AQ35
OCT 13, 1791	07:53 AM	180	19LE53	19AQ53R
SEP 25, 1793	09:01 PM	180	23LE00	23AQ00R
SEP 11, 1795	02:13 PM	180	26LE08	26AQ08R
AUG 28, 1797	02:49 AM	180	29LE14	29AQ14R
AUG 14, 1799	06:11 PM	180	02VI17	02PI17R
JUL 31, 1801	10:59 PM	180	05VI15	05PI15R
JUL 16, 1803	11:16 PM	180	08VI08	08PI08R
JUN 28, 1805	04:18 AM	180	10VI53	10PI53R
DEC 03, 1806	09:15 PM	180	10VI01	10PI01
MAR 07, 1807	03:56 PM	180	11VI48R	11PI48
MAY 30, 1807	07:21 PM	180	13VI23	13PI23
NOV 06, 1808	06:39 PM	180	12VI34	12PI34R
OCT 20, 1810	10:09 AM	180	15VI15	15PI15R
OCT 04, 1812	10:29 AM	180	17VI57	17PI57R
SEP 20, 1814	06:58 AM	180	20VI39	20PI39R
SEP 05, 1816	06:43 AM	180	23VI19	23PI19R
AUG 21, 1818	07:47 PM	180	25VI56	25PI56R
AUG 05, 1820	03:31 AM	180	28VI30	28PI30R
JUL 17, 1822	11:34 AM	180	00LI56	00AR56R
DEC 23, 1823	04:37 PM	180	00LI01	00AR01
APR 01, 1824	02:40 AM	180	01LI49R	01AR49
JUN 15, 1824	07:39 AM	180	03LI08	03AR08
NOV 26, 1825	01:59 AM	180	02LI17	02AR17R
NOV 08, 1827	05:06 AM	180	04LI41	04AR41R

OCT 22, 1829	05:34 PM	180	07LI07	07AR07R
OCT 08, 1831	01:48 AM	180	09LI34	09AR34R
SEP 22, 1833	12:03 PM	180	12LI00	12AR00R
SEP 07, 1835	09:45 AM	180	14LI23	14AR23R
AUG 20, 1837	09:37 PM	180	16LI43	16AR43R
JUL 31, 1839	07:07 PM	180	18LI55	18AR55R
JAN 06, 1841	00:22 AM	180	17LI57	17AR57
MAY 11, 1841	10:25 AM	180	20LI09R	20AR09
JUN 18, 1841	04:01 PM	180	20LI47	20AR47
DEC 11, 1842	12:32 PM	180	20LI03	20AR03R
NOV 22, 1844	01:36 PM	180	22LI18	22AR18R
NOV 06, 1846	06:54 PM	180	24LI35	24AR35R
OCT 21, 1848	05:17 PM	180	26LI53	26AR53R
OCT 06, 1850	02:26 PM	180	29LI09	29AR09R
SEP 19, 1852	07:29 PM	180	01SC24	01TA24R
SEP 02, 1854	08:04 AM	180	03SC35	03TA35R
AUG 10, 1856	01:16 AM	180	05SC39	05TA39R
JAN 17, 1858	03:38 AM	180	04SC39	04TA39R
DEC 24, 1859	09:38 AM	180	06SC42	06TA42R
DEC 05, 1861	01:40 PM	180	08SC52	08TA52R
NOV 19, 1863	01:34 PM	180	11SC04	11TA04R
NOV 03, 1865	03:08 AM	180	13SC17	13TA17R
OCT 18, 1867	12:54 PM	180	15SC29	15TA29R
OCT 01, 1869	01:31 AM	180	17SC40	17TA40R
SEP 12, 1871	09:36 AM	180	19SC47	19TA47R
AUG 16, 1873	03:39 AM	180	21SC46	21TA46
JAN 26, 1875	04:41 PM	180	20SC45	20TA45R
JAN 03, 1877	03:20 PM	180	22SC49	22TA49R
DEC 17, 1878	02:07 AM	180	24SC58	24TA58R
NOV 30, 1880	00:01 AM	180	27SC11	27TA11R

NOV 14, 1882	07:05 AM	180	29SC25	29TA25R
OCT 28, 1884	06:09 AM	180	01SA39	01GE39R
OCT 11, 1886	00:25 AM	180	03SA50	03GE50R
SEP 19, 1888	03:22 PM	180	05SA56	05GE56R
MAR 14, 1890	03:18 AM	180	05SA04	05GE04
MAY 27, 1890	06:15 PM	180	06SA24R	06GE24
AUG 14, 1890	04:29 AM	180	07SA47	07GE47
FEB 04, 1892	10:04 PM	180	06SA55	06GE55R
JAN 14, 1894	08:48 AM	180	09SA04	09GE04R
DEC 28, 1895	04:00 AM	180	11SA19	11GE19R
DEC 11, 1897	01:14 AM	180	13SA37	13GE37R
NOV 25, 1899	02:03 AM	180	15SA57	15GE57R
NOV 08, 1901	01:50 PM	180	18SA16	18GE16R
OCT 21, 1903	11:07 AM	180	20SA33	20GE33R
SEP 27, 1905	10:15 AM	180	22SA44	22GE44R
MAR 16, 1907	09:12 AM	180	21SA45	21GE45
FEB 14, 1909	11:33 PM	180	23SA54	23GE54R
JAN 26, 1911	03:42 PM	180	26SA14	26GE14R
JAN 08, 1913	06:59 PM	180	28SA41	28GE41R
DEC 23, 1914	05:47 PM	180	01CP12	01CA12R
DEC 06, 1916	03:30 PM	180	03CP45	03CA45R
NOV 19, 1918	06:07 PM	180	06CP19	06CA19R
OCT 30, 1920	01:55 PM	180	08CP50	08CA50R
OCT 02, 1922	11:52 AM	180	11CP12	11CA12
MAR 23, 1924	02:50 AM	180	10CP14	10CA14R
FEB 27, 1926	02:46 AM	180	12CP44	12CA44R
FEB 08, 1928	09:54 PM	180	15CP26	15CA26R
JAN 22, 1930	12:48 PM	180	18CP16	18CA16R
JAN 06, 1932	05:36 PM	180	21CP12	21CA12R
DEC 20, 1933	04:59 PM	180	24CP10	24CA10R

DEC 03, 1935	12:38 PM	180	27CP10	27CA10R
NOV 11, 1937	09:49 PM	180	00AQ06	00LE06R
MAY 23, 1939	02:54 PM	180	29CP34	29CA34
JUL 18, 1939	12:21 PM	180	00AQ53R	00LE53
SEP 30, 1939	07:33 PM	180	02AQ40	02LE40
APR 05, 1941	10:51 AM	180	02AQ03	02LE03R
MAR 15, 1943	10:31 AM	180	05AQ10	05LE10R
FEB 25, 1945	10:50 AM	180	08AQ30	08LE30R
FEB 09, 1947	07:59 PM	180	12AQ00	12LE00R
JAN 24, 1949	02:10 PM	180	15AQ38	15LE38R
JAN 09, 1951	00:24 AM	180	19AQ21	19LE21R
DEC 21, 1952	10:40 PM	180	23AQ06	23LE06R
NOV 29, 1954	07:22 PM	180	26AQ48	26LE48R
MAY 27, 1956	02:49 PM	180	26AQ12	26LE12
APR 26, 1958	09:12 PM	180	29AQ50	29LE50R
APR 07, 1960	08:38 AM	180	03PI56	03VI56R
MAR 22, 1962	09:05 PM	180	08PI16	08VI16R
MAR 07, 1964	01:36 PM	180	12PI50	12VI50R
FEB 21, 1966	01:55 PM	180	17PI33	17VI33R
FEB 07, 1968	05:29 AM	180	22PI23	22VI23R
JAN 21, 1970	04:40 AM	180	27PI16	27VI16R
DEC 29, 1971	10:18 PM	180	02AR03	02LI03
JUN 23, 1973	11:37 AM	180	01AR43	01LI43
MAY 30, 1975	02:42 AM	180	06AR34	06LI34R
MAY 13, 1977	00:37 AM	180	11AR48	11LI48R
APR 29, 1979	09:51 AM	180	17AR16	17LI16R
APR 15, 1981	08:55 PM	180	22AR53	22LI53R
APR 03, 1983	03:45 PM	180	28AR34	28LI34R
MAR 21, 1985	01:22 AM	180	04TA14	04SC14R
MAR 06, 1987	09:34 PM	180	09TA49	09SC49R



FEB 14, 1989	05:13 PM	180	15TA11	15SC11
AUG 04, 1990	06:36 PM	180	15TA00	15SC00
JUL 12, 1992	04:53 PM	180	20TA14	20SC14R
JUN 27, 1994	09:01 PM	180	25TA40	25SC40R
JUN 14, 1996	04:50 AM	180	01GE08	01SA08R
JUN 02, 1998	09:43 AM	180	06GE33	06SA33R
MAY 20, 2000	08:23 PM	180	11GE51	11SA51R

# 3RD MILLENNIUM CE

**This is a list of oppositions between Mars and Pluto in the 3rd millennium CE.**

DATE	TIME	ARC	MARS	PLUTO
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MAY 08, 2002	10:10 PM	180	17GE01	17SA01R
APR 24, 2004	06:09 PM	180	21GE59	21SA59R
APR 08, 2006	08:17 AM	180	26GE44	26SA44R
SEP 21, 2007	08:34 AM	180	26GE21	26SA21
JAN 02, 2008	09:33 PM	180	29GE12R	29SA12
MAR 07, 2008	09:01 AM	180	00CA58	00CP58
AUG 26, 2009	08:30 PM	180	00CA43	00CP43R
AUG 11, 2011	05:09 AM	180	05CA13	05CP13R
JUL 27, 2013	10:46 PM	180	09CA40	09CP40R
JUL 15, 2015	02:07 PM	180	14CA02	14CP02R
JUL 02, 2017	11:57 AM	180	18CA19	18CP19R
JUN 20, 2019	03:20 AM	180	22CA28	22CP28R
JUN 05, 2021	07:38 PM	180	26CA28	26CP28R

MAY 21, 2023	03:04 AM	180	00LE16	00AQ16R
NOV 03, 2024	11:24 AM	180	29CA46	29CP46
JAN 03, 2025	07:35 AM	180	01LE08R	01AQ08
APR 27, 2025	00:55 AM	180	03LE48	03AQ48
OCT 03, 2026	10:31 AM	180	03LE06	03AQ06R
SEP 15, 2028	04:52 AM	180	06LE40	06AQ40R
AUG 31, 2030	10:08 PM	180	10LE14	10AQ14R
AUG 17, 2032	06:16 PM	180	13LE45	13AQ45R
AUG 04, 2034	10:07 PM	180	17LE14	17AQ14R
JUL 21, 2036	08:45 PM	180	20LE36	20AQ36R
JUL 07, 2038	10:43 PM	180	23LE52	23AQ52R
JUN 21, 2040	00:41 AM	180	27LE00	27AQ00R
DEC 14, 2041	03:21 PM	180	26LE31	26AQ31
JAN 07, 2042	07:52 AM	180	26LE59R	26AQ59
MAY 30, 2042	10:07 AM	180	29LE56	29AQ56
NOV 02, 2043	02:36 AM	180	29LE05	29AQ05R
OCT 13, 2045	10:27 AM	180	02VI02	02PI02R
SEP 28, 2047	06:20 AM	180	05VI01	05PI01R
SEP 13, 2049	08:12 AM	180	08VI00	08PI00R
AUG 30, 2051	06:56 PM	180	10VI56	10PI56R
AUG 16, 2053	01:03 AM	180	13VI48	13PI48R
AUG 01, 2055	11:46 AM	180	16VI36	16PI36R
JUL 15, 2057	00:15 AM	180	19VI19	19PI19R
JUN 23, 2059	00:55 AM	180	21VI52	21PI52R
NOV 24, 2060	09:15 AM	180	20VI56	20PI56R
NOV 04, 2062	05:38 PM	180	23VI29	23PI29R
OCT 18, 2064	08:59 PM	180	26VI05	26PI05R
OCT 04, 2066	08:16 AM	180	28VI42	28PI42R
SEP 19, 2068	04:57 AM	180	01LI18	01AR18R
SEP 04, 2070	08:18 PM	180	03LI52	03AR52R

AUG 19, 2072	02:52 PM	180	06LI22	06AR22R
AUG 02, 2074	06:51 AM	180	08LI47	08AR47R
JAN 30, 2076	06:03 AM	180	08LI11	08AR11
FEB 15, 2076	10:21 PM	180	08LI28R	08AR28
JUL 08, 2076	02:01 PM	180	11LI02	11AR02
DEC 12, 2077	12:12 PM	180	10LI03	10AR03R
NOV 22, 2079	01:49 PM	180	12LI22	12AR22R
NOV 05, 2081	07:49 AM	180	14LI45	14AR45R
OCT 21, 2083	08:32 AM	180	17LI09	17AR09R
OCT 05, 2085	04:48 PM	180	19LI32	19AR32R
SEP 20, 2087	05:18 PM	180	21LI54	21AR54R
SEP 03, 2089	05:14 PM	180	24LI11	24AR11R
AUG 16, 2091	06:16 AM	180	26LI24	26AR24R
FEB 01, 2093	08:39 AM	180	25LI34	25AR34
MAR 29, 2093	05:50 AM	180	26LI31R	26AR31
JUL 18, 2093	11:56 PM	180	28LI27	28AR27
DEC 26, 2094	11:28 PM	180	27LI30	27AR30R
DEC 06, 2096	06:38 AM	180	29LI40	29AR40R
NOV 19, 2098	07:25 PM	180	01SC54	01TA54R
NOV 04, 2100	10:46 AM	180	04SC10	04TA10R
OCT 20, 2102	07:36 AM	180	06SC25	06TA25R
OCT 03, 2104	06:13 PM	180	08SC39	08TA39R
SEP 16, 2106	10:43 PM	180	10SC51	10TA51R
AUG 26, 2108	10:47 PM	180	12SC57	12TA57R
FEB 08, 2110	03:12 AM	180	11SC59	11TA59
MAY 17, 2110	04:45 AM	180	13SC41R	13TA41
JUL 21, 2110	02:27 PM	180	14SC47	14TA47
JAN 08, 2112	10:59 PM	180	13SC55	13TA55R
DEC 19, 2113	05:41 PM	180	16SC02	16TA02R
DEC 03, 2115	05:25 AM	180	18SC12	18TA12R

NOV 16, 2117	02:46 PM	180	20SC25	20TA25R
NOV 01, 2119	02:07 AM	180	22SC39	22TA39R
OCT 14, 2121	11:02 PM	180	24SC51	24TA51R
SEP 27, 2123	04:32 AM	180	26SC59	26TA59R
SEP 03, 2125	05:45 PM	180	29SC01	29TA01R
FEB 14, 2127	02:46 PM	180	28SC00	28TA00
JAN 18, 2129	03:15 PM	180	29SC59	29TA59R
DEC 31, 2130	00:44 AM	180	02SA07	02GE07R
DEC 13, 2132	01:49 PM	180	04SA20	04GE20R
NOV 27, 2134	06:30 PM	180	06SA34	06GE34R
NOV 10, 2136	08:06 PM	180	08SA49	08GE49R
OCT 25, 2138	01:40 AM	180	11SA02	11GE02R
OCT 05, 2140	02:13 AM	180	13SA12	13GE12R
SEP 08, 2142	04:24 AM	180	15SA14	15GE14
FEB 22, 2144	05:04 AM	180	14SA14	14GE14R
JAN 29, 2146	03:03 AM	180	16SA22	16GE22R
JAN 11, 2148	02:39 AM	180	18SA36	18GE36R
DEC 24, 2149	05:24 PM	180	20SA56	20GE56R
DEC 08, 2151	06:55 PM	180	23SA17	23GE17R
NOV 21, 2153	12:59 PM	180	25SA41	25GE41R
NOV 04, 2155	03:12 AM	180	28SA03	28GE03R
OCT 13, 2157	11:41 AM	180	00CP21	00CA21R
APR 13, 2159	10:23 AM	180	29SA33	29GE33
JUN 20, 2159	08:59 PM	180	00CP53R	00CA53
SEP 04, 2159	07:44 AM	180	02CP20	02CA20
MAR 02, 2161	11:54 AM	180	01CP31	01CA31R
FEB 09, 2163	11:42 AM	180	03CP52	03CA52R
JAN 22, 2165	02:16 AM	180	06CP21	06CA21R
JAN 05, 2167	09:48 PM	180	08CP56	08CA56R
DEC 19, 2168	11:19 PM	180	11CP34	11CA34R

DEC 03, 2170	12:18 PM	180	14CP14	14CA14R
NOV 14, 2172	09:21 AM	180	16CP52	16CA52R
OCT 22, 2174	00:25 AM	180	19CP25	19CA25R
APR 13, 2176	00:20 AM	180	18CP29	18CA29
MAR 14, 2178	04:37 PM	180	20CP59	20CA59R
FEB 23, 2180	09:15 AM	180	23CP46	23CA46R
FEB 05, 2182	05:15 PM	180	26CP42	26CA42R
JAN 20, 2184	09:59 PM	180	29CP45	29CA45R
JAN 04, 2186	03:45 AM	180	02AQ52	02LE52R
DEC 18, 2187	04:02 PM	180	06AQ02	06LE02R
NOV 28, 2189	08:52 PM	180	09AQ11	09LE11R
OCT 31, 2191	07:43 PM	180	12AQ12	12LE12
APR 25, 2193	02:39 AM	180	11AQ23	11LE23
APR 01, 2195	01:11 AM	180	14AQ37	14LE37R
MAR 13, 2197	07:34 AM	180	18AQ06	18LE06R
FEB 25, 2199	02:16 PM	180	21AQ47	21LE47R
FEB 10, 2201	02:05 PM	180	25AQ38	25LE38R
JAN 26, 2203	12:17 PM	180	29AQ35	29LE35R
JAN 09, 2205	12:37 PM	180	03PI38	03VI38R
DEC 21, 2206	10:53 AM	180	07PI40	07VI40R
NOV 14, 2208	04:21 PM	180	11PI24	11VI24
MAY 18, 2210	11:16 AM	180	11PI01	11VI01R
APR 27, 2212	01:50 AM	180	15PI19	15VI19R
APR 11, 2214	05:21 AM	180	19PI55	19VI55R
MAR 27, 2216	00:48 AM	180	24PI45	24VI45R
MAR 13, 2218	12:21 PM	180	29PI46	29VI46R
FEB 27, 2220	10:32 PM	180	04AR54	04LI54R
FEB 12, 2222	08:06 AM	180	10AR05	10LI05R
JAN 25, 2224	07:33 AM	180	15AR13	15LI13R
JUL 30, 2225	03:00 PM	180	15AR16	15LI16

OCT 14, 2225	05:48 AM	180	17AR44R	17LI44
DEC 16, 2225	12:09 PM	180	19AR49	19LI49
JUN 23, 2227	00:57 AM	180	19AR58	19LI58R
JUN 04, 2229	11:36 AM	180	25AR19	25LI19R
MAY 21, 2231	01:34 PM	180	00TA54	00SC54R
MAY 08, 2233	01:11 AM	180	06TA35	06SC35R
APR 26, 2235	02:00 AM	180	12TA19	12SC19R
APR 13, 2237	01:38 AM	180	18TA00	18SC00R
MAR 31, 2239	03:13 AM	180	23TA35	23SC35R
MAR 14, 2241	10:59 AM	180	28TA59	28SC59R
SEP 13, 2242	06:55 AM	180	29TA07	29SC07
NOV 06, 2242	01:15 AM	180	00GE46R	00SA46
FEB 15, 2243	06:32 PM	180	03GE59	03SA59
AUG 06, 2244	04:18 PM	180	03GE51	03SA51R
JUL 20, 2246	08:12 PM	180	09GE03	09SA03R
JUL 06, 2248	09:30 AM	180	14GE17	14SA17R
JUN 24, 2250	05:28 AM	180	19GE27	19SA27R
JUN 11, 2252	12:23 PM	180	24GE32	24SA32R
MAY 30, 2254	05:17 PM	180	29GE29	29SA29R
MAY 17, 2256	04:43 AM	180	04CA15	04CP15R
MAY 02, 2258	04:50 PM	180	08CA49	08CP49R
APR 11, 2260	10:24 AM	180	13CA05	13CP05
SEP 19, 2261	04:02 PM	180	12CA31	12CP31R
SEP 01, 2263	07:26 AM	180	16CA41	16CP41R
AUG 16, 2265	11:01 PM	180	20CA52	20CP52R
AUG 04, 2267	01:47 AM	180	25CA00	25CP00R
JUL 21, 2269	05:16 PM	180	29CA04	29CP04R
JUL 09, 2271	07:39 AM	180	03LE01	03AQ01R
JUN 25, 2273	07:09 AM	180	06LE50	06AQ50R
JUN 10, 2275	05:29 PM	180	10LE29	10AQ29R

MAY 22, 2277	03:53 AM	180	13LE56	13AQ56R
OCT 25, 2278	10:37 PM	180	13LE09	13AQ09R
OCT 04, 2280	08:14 AM	180	16LE28	16AQ28R
SEP 18, 2282	09:16 PM	180	19LE51	19AQ51R
SEP 04, 2284	03:15 AM	180	23LE13	23AQ13R
AUG 22, 2286	00:06 AM	180	26LE32	26AQ32R
AUG 07, 2288	09:02 PM	180	29LE47	29AQ47R
JUL 25, 2290	05:02 AM	180	02VI57	02PI57R
JUL 09, 2292	04:21 AM	180	05VI59	05PI59R
JUN 20, 2294	05:56 PM	180	08VI54	08PI54R
NOV 23, 2295	05:53 PM	180	08VI01	08PI01
MAR 25, 2296	05:04 PM	180	10VI28R	10PI28
MAY 15, 2296	03:59 PM	180	11VI26	11PI26
OCT 31, 2297	03:10 AM	180	10VI47	10PI47R
OCT 14, 2299	04:54 PM	180	13VI37	13PI37R
SEP 30, 2301	04:41 AM	180	16VI28	16PI28R
SEP 16, 2303	09:23 AM	180	19VI19	19PI19R
SEP 01, 2305	03:06 PM	180	22VI07	22PI07R
AUG 18, 2307	08:04 AM	180	24VI52	24PI52R
AUG 01, 2309	04:03 PM	180	27VI31	27PI31R
JUL 13, 2311	01:22 PM	180	00LI02	00AR02R
DEC 15, 2312	08:54 PM	180	29VI06	29PI06
APR 18, 2313	02:26 AM	180	01LI22R	01AR22
JUN 05, 2313	03:15 PM	180	02LI13	02AR13
NOV 22, 2314	05:59 AM	180	01LI30	01AR30R
NOV 04, 2316	05:06 AM	180	04LI00	04AR00R
OCT 20, 2318	04:19 AM	180	06LI33	06AR33R
OCT 04, 2320	08:02 PM	180	09LI06	09AR06R
SEP 20, 2322	11:45 AM	180	11LI37	11AR37R
SEP 04, 2324	12:24 PM	180	14LI04	14AR04R

AUG 19, 2326	00:52 AM	180	16LI27	16AR27R
JUL 28, 2328	03:03 PM	180	18LI43	18AR43R
JAN 01, 2330	03:57 PM	180	17LI44	17AR44
DEC 09, 2331	05:36 AM	180	19LI57	19AR57R
NOV 20, 2333	10:07 PM	180	22LI15	22AR15R
NOV 05, 2335	11:20 AM	180	24LI35	24AR35R
OCT 20, 2337	03:08 PM	180	26LI55	26AR55R
OCT 05, 2339	05:11 PM	180	29LI15	29AR15R
SEP 19, 2341	01:55 AM	180	01SC32	01TA32R
SEP 01, 2343	03:51 PM	180	03SC45	03TA45R
AUG 09, 2345	03:21 AM	180	05SC51	05TA51R
JAN 14, 2347	04:42 PM	180	04SC51	04TA51R
DEC 22, 2348	03:54 AM	180	06SC56	06TA56R
DEC 04, 2350	07:09 PM	180	09SC07	09TA07R
NOV 18, 2352	02:10 AM	180	11SC20	11TA20R
NOV 02, 2354	08:56 PM	180	13SC35	13TA35R
OCT 17, 2356	11:00 AM	180	15SC49	15TA49R
OCT 01, 2358	03:26 AM	180	18SC01	18TA01R
SEP 11, 2360	12:35 PM	180	20SC08	20TA08R
AUG 16, 2362	01:08 AM	180	22SC06	22TA06
JAN 25, 2364	10:52 AM	180	21SC06	21TA06R
JAN 03, 2366	03:23 AM	180	23SC09	23TA09R
DEC 16, 2367	09:51 PM	180	25SC19	25TA19R
NOV 30, 2369	01:22 AM	180	27SC31	27TA31R
NOV 14, 2371	11:58 AM	180	29SC43	29TA43R
OCT 28, 2373	01:17 PM	180	01SA55	01GE55R
OCT 11, 2375	10:07 AM	180	04SA05	04GE05R
SEP 20, 2377	03:55 AM	180	06SA10	06GE10R
MAR 10, 2379	08:23 PM	180	05SA15	05GE15
JUN 01, 2379	09:35 PM	180	06SA43R	06GE43



AUG 14, 2379	06:07 PM	180	08SA00	08GE00
FEB 03, 2381	07:22 AM	180	07SA08	07GE08R
JAN 14, 2383	04:20 AM	180	09SA15	09GE15R
DEC 27, 2384	03:33 AM	180	11SA27	11GE27R
DEC 11, 2386	03:52 AM	180	13SA42	13GE42R
NOV 24, 2388	07:39 AM	180	15SA58	15GE58R
NOV 07, 2390	09:35 PM	180	18SA13	18GE13R
OCT 19, 2392	08:48 PM	180	20SA27	20GE27R
SEP 27, 2394	01:03 AM	180	22SA34	22GE34R
MAR 12, 2396	10:51 PM	180	21SA34	21GE34
FEB 13, 2398	07:55 AM	180	23SA39	23GE39R
JAN 25, 2400	05:16 AM	180	25SA54	25GE54R